ABSTRACT

A method of spatially filtering a digital image includes receiving a source digital image including pixels corresponding to one or more different colors; selecting a pixel of interest in the source digital image; calculating two or more noise free pixel estimates for the pixel of interest using pixel values sampled in a local region about the pixel of interest; selecting a final noise free pixel estimate for the pixel of interest from the noise free pixel estimates; and repeating for other pixels in the source digital image to provide a spatially filtered digital image.